

Алматы (7273)495-231	Иваново (4932)77-34-06	Магнитогорск (3519)55-03-13	Пермь (342)205-81-47	Тверь (4822)63-31-35
Ангарск (3955)60-70-56	Ижевск (3412)26-03-58	Москва (495)268-04-70	Ростов-на-Дону (863)308-18-15	Тольятти (8482)63-91-07
Архангельск (8182)63-90-72	Иркутск (395)279-98-46	Мурманск (8152)59-64-93	Рязань (4912)46-61-64	Томск (3822)98-41-53
Астрахань (8512)99-46-04	Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Самара (846)206-03-16	Тула (4872)33-79-87
Барнаул (3852)73-04-60	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Саранск (8342)22-96-24	Тюмень (3452)66-21-18
Белгород (4722)40-23-64	Калуга (4842)92-23-67	Новокузнецк (3843)20-46-81	Санкт-Петербург (812)309-46-40	Ульяновск (8422)24-23-59
Благовещенск (4162)22-76-07	Кемерово (3842)65-04-62	Ноябрьск (3496)41-32-12	Саратов (845)249-38-78	Улан-Удэ (3012)59-97-51
Брянск (4832)59-03-52	Киров (8332)68-02-04	Новосибирск (383)227-86-73	Севастополь (8692)22-31-93	Уфа (347)229-48-12
Владивосток (423)249-28-31	Коломна (4966)23-41-49	Омск (3812)21-46-40	Симферополь (3652)67-13-56	Хабаровск (4212)92-98-04
Владикавказ (8672)28-90-48	Кострома (4942)77-07-48	Орел (4862)44-53-42	Смоленск (4812)29-41-54	Чебоксары (8352)28-53-07
Владимир (4922)49-43-18	Краснодар (861)203-40-90	Оренбург (3532)37-68-04	Сочи (862)225-72-31	Челябинск (351)202-03-61
Волгоград (844)278-03-48	Красноярск (391)204-63-61	Пенза (8412)22-31-16	Ставрополь (8652)20-65-13	Череповец (8202)49-02-64
Вологда (8172)26-41-59	Курск (4712)77-13-04	Петрозаводск (8142)55-98-37	Сургут (3462)77-98-35	Чита (3022)38-34-83
Воронеж (473)204-51-73	Курган (3522)50-90-47	Псков (8112)59-10-37	Сыктывкар (8212)25-95-17	Якутск (4112)23-90-97
Екатеринбург (343)384-55-89	Липецк (4742)52-20-81		Тамбов (4752)50-40-97	Ярославль (4852)69-52-93

Россия +7(495)268-04-70 Казахстан +7(7172)727-132 Киргизия +996(312)96-26-47

www.hpafair.nt-rt.ru | | hip@nt-rt.ru

Технические характеристики на системы схождения-развала колес С 2000, С 880 INEXT, С 880, С880 INEXT DRIVE КОМПАНИИ **HPA-fair**

Виды товаров: 3D-центры для сход-развала с системой считывания с двумя камерами, центры для развала-схождения и предварительной проверки DRIVE-THRU для легковых и малотоннажных автомобилей.

Technology
at your service: simple,
quick, accurate.



The wheel aligner and pre-check
for cars and light-duty vehicles
with 4 cameras

4 Hi-Q cameras
Operating light indicators

Column-integrated
lift with target automatic
tracking function

Ergonomic shelf with
additional USB ports

Presetting for additional
monitor or A4 printer

Presetting
for trolley



HPA
faip





C2000 néos

C 2000 Néos is the new wheel aligner with passive targets and 4 high-resolution digital cameras, to ensure measurement maximum precision and accuracy.

The automation of wheel alignment operations and the extreme reliability of components enhance its productivity. Premium PC with the latest Windows Professional operating system, **new software** including a complete database with multi-brand technical specifications are part of the rich standard equipment.

With these features, **C 2000 Néos** stands as an industry benchmark and a safe investment for wheel alignment professionals.

NEW HPA-FAIP TOP SOFTWARE, FOR THE WHEEL ALIGNMENT PROFESSIONAL

New modern and professional graphic interface specifically developed for the wheel alignment specialist. Rich with new features, such as the lower progress bar, the convenient vertical pop-up selection menu, and enhanced data visibility in the operating area. It also features useful quick selection icons for the most common functions and simple wizards with clear instructions for less experienced operators.

The procedure is fully customisable with an always up-to-date and comprehensive database.

DATABASE SELECTION

International Database including more than 84,000 cars and light-duty vehicles, divided by markets, with integrated search bar. The simplified "SMART" selection helps the operator speed up vehicle identification.



ROC – RUNOUT COMPENSATION

Quick selection of the desired type of compensation. The new optimised "ROC SMART" procedure is also available.

STEERING

USER FRIENDLY procedure with option to select a suitable steering angle (at 10° or 20°) during the operation. Maximum available steering (as an option).



CHASSIS STATUS

Chassis status with live indications, for a complete check of the vehicle.



DYNAMIC DATA SUMMARY

Complete page with live graphics for a quick check of the geometric status of the vehicle, compared to the adjustment ranges provided by the manufacturers.



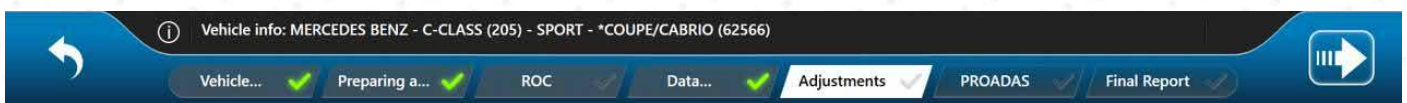
ADJUSTMENT PAGES

Clear, easy and user-friendly graphics. The vertical pop-up menu allows recalling the secondary procedures.



PROGRESSION BAR

It allows keeping track of the procedure progress. It shows the steps done, the current step and the steps left to the end of the adjustment.



ZOOM

To enlarge the displaying of the angle you are working on, it proves useful when the adjustment is carried out away from the monitor.



ERGONOMIC WORK SURFACE

The design is completed by the ergonomic work surface with additional USB ports and the presetting for an additional monitor or A4 printer (optional).





CLAMP ON TYRE

WITH HIGH-RESOLUTION LIGHT TARGET

It can be detached from the bracket and is compatible with all HPA-Faip brackets. Front infra-red filter for high immunity to sunlight reflections. Suitable for difficult working conditions.



DRIVE ON ASSISTANT

The assistant guiding you in getting on the lift

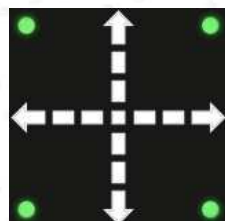


Driver assistance for safe manoeuvring in the workshop without the help of assistant or mirrors.



HIGH QUALITY CAMERAS

Equipped with latest generation high-resolution **4 HI-Q cameras** for artificial vision. Optimised low distortion lenses with anti-reflection nano coating and integrated filter to eliminate sunlight reflections. Bright operating indications thanks to the integrated synoptic panel.



The integrated synoptic panel **with light indications** allows the operator to check the target hooking status and guides him/her through the various operational steps. During compensation and steering procedures, illuminated arrows provide clear information about the current procedure.

MEASUREMENT "IN DIFFERENCE"

Each acquisition is differentially processed by two consecutive images to eliminate measurement problems in critical sunlight conditions or in the presence of light reflections.

NEW COLUMN-INTEGRATED LIFT WITH INTEGRATED SAFETY SYSTEM

Supplied as standard, positioning precision reaches extreme levels.

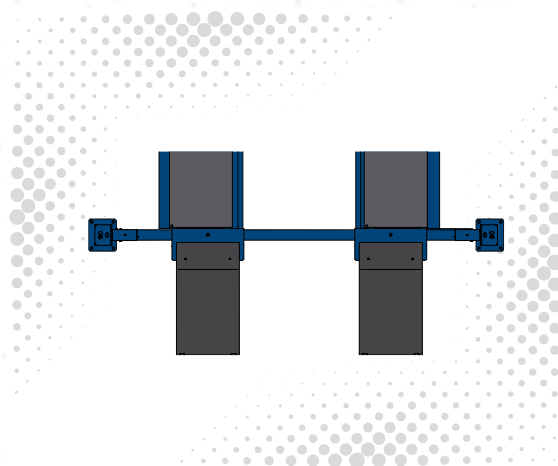
The lift allows the operator to work from the pit to a height of more than 2 metres by pressing a key on the keyboard. Fast and easy to use.

By combining the **automatic target level tracking function** (Autotracking - optional), the measuring beam automatically moves to the correct working height, saving the operator time during work procedures.

REDUCED INSTALLATION SPACE

Its compact design makes it suitable to installations in small rooms and to installations with 4-column lifts.

Compatible with pits and scissor lifts, 4-column and parallelogram lift installations.



CONFIGURATION

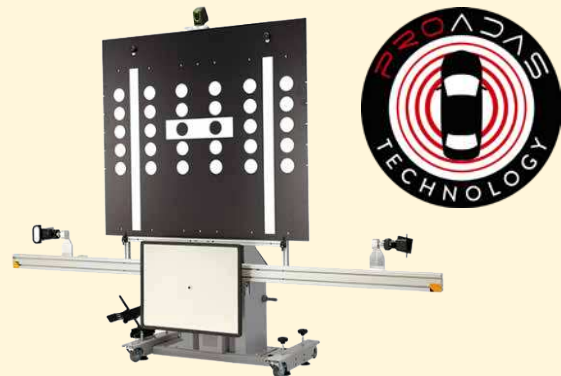
- Column complete with cabinet
- Measuring bar with 4 high-resolution digital cameras
- Column-integrated lift
- PC Premium with Windows Professional operating system
- Multi-brand database with more than 84,000 vehicles and vans
- New HPA-Faip wheel alignment software
- LCD monitor (*)
- Colour inkjet printer (*)
- Different types of brackets (*)
- Pre-set for: Cal One-Touch, Aligner OnLine

(*) To be selected from the optional accessories catalogue.

WHEEL ALIGNER COMPATIBLE WITH PROADAS

The wheel aligner is compatible with the new PROADAS universal system used for the **calibration of driver assistance systems** on new-generation vehicles.

Using the wheel aligner cameras, the system for calibrating the camera and radar on board the vehicle **can be aligned precisely and quickly**. Manufacturers recommend calibrating ADAS systems after aligning the vehicle. For further information, visit the PROADAS product sections on our website.



RECOMMENDED ACCESSORIES



- **CLAMPONTYRE QUICK CLAMP**
Fastening to the wheel: no contact with the rim.
Quick: quick mounting and demounting.
Self-centring: the central pin is always aligned with wheel centre.
Runout: Suitable for push compensation procedure.
Lightweight and ergonomic: the innovative design and low weight make it easy to handle and operate.
Range: wheel diameter from 19" to 32".



- **MULTI-PURPOSE TROLLEY**
Wheeled bracket holder for ClampOnTyre and relevant additional jaws.

- **BRACKET HOLDER SET**
Bracket holder for ClampOnTyre and relevant additional jaws. Wall mounting.



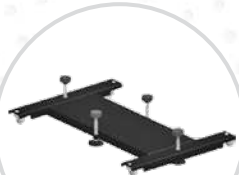
- **XL EXTENSION SET**
For wheel diameters from 32 to 39".
It can be used with ClampOnTyre brackets.

- **VAN EXTENSION SET**
To be used on vans.
It can be used with ClampOnTyre brackets.



● **DRIVER ASSISTANCE KIT**

Assistant for vehicle positioning on the lift.

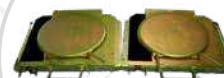


● **ALIGNER TROLLEY**

To use the wheel aligner in different in different alignment bays or in drive thru mode.



● **27"-32" LCD MONITOR**



● **TURNTABLES**

Available in different types.



● **A4 INKJET PRINTER**



● **PRINTER SUPPORT**

To be compulsorily Required when ordering the printer



● **NEXREMOTE**

Tablet for graphic interface remoting or as an additional screen; it can also be used to show vehicle condition to the customer in real time.



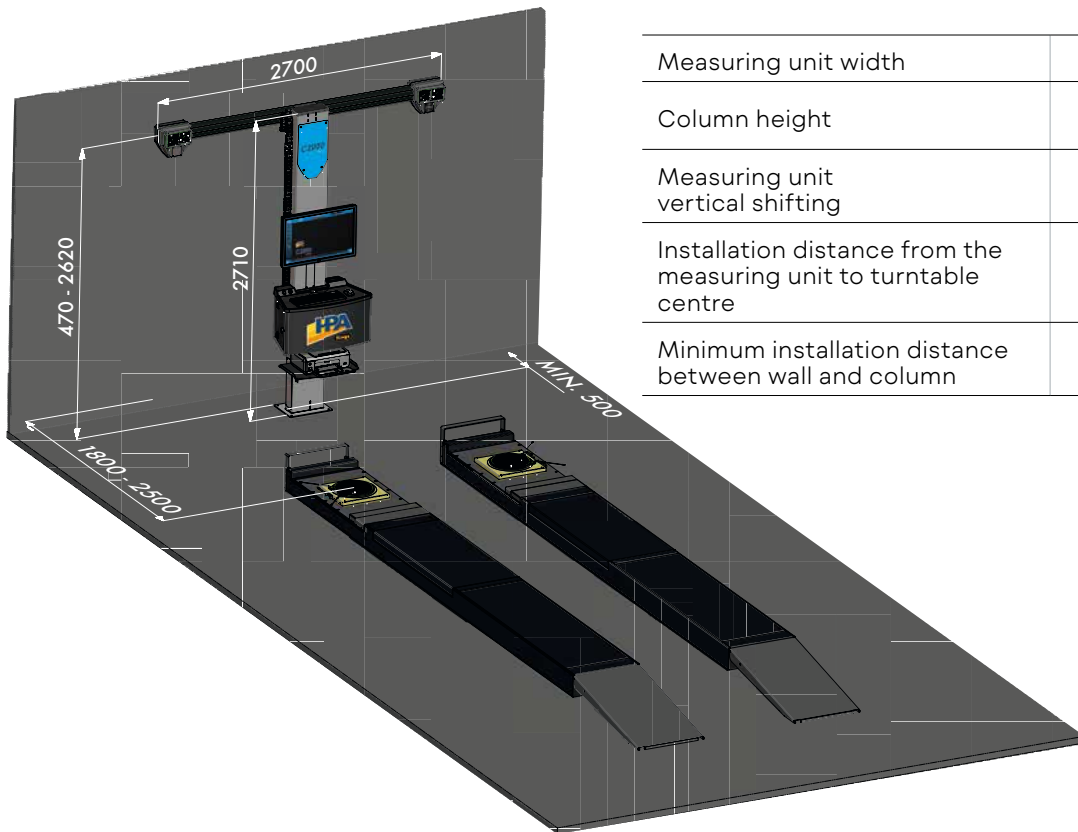
● **ALIGNER ONLINE**
10-credit card



● **CARRYING CASE WITH KIT FOR CALIBRATION AND CALIBRATION CHECK**



INSTALLATION AREA



Measuring unit width	2700 mm
Column height	2710 mm (without trolley)
Measuring unit vertical shifting	470-2620 mm (without trolley)
Installation distance from the measuring unit to turntable centre	1800 – 2500 mm
Minimum installation distance between wall and column	500 mm

TECHNICAL DATA

Measuring ranges	
Total toe	± 20°
Semi-toe	± 10°
Camber	± 10°
Caster	± 30°
Kingpin	± 30°
Thrust angle	± 10°
Steering difference at 20°	± 10°

Power supply	
Power supply voltage	115-230 Vac - 50-60 Hz 1 pH
Absorbed power	500 W
Central unit (cabinet)	35 kg
Camera head	40 kg
Column	125 kg



C880 iNEXT DRIVE



DRIVE-THRU wheel aligner
and pre-check for cars and light
duty vehicles

New light targets,
detachable from brackets

Wide choice of brackets

Compact **installation
distance** (useful
for small workshops)

**Quick and easy
installation**

**Floor-mounted, in pit
or fixed-height lift**

**High-resolution cameras
with measurement
by image difference**

3D wheel aligner with
two camera reading system



Accurate, reliable, quick,
easy, comprehensive
and affordable

HPA



C880 iNEXT DRIVE



Advanced measurement technology with new Hi-Q 5Mp digital cameras

C 880 iNEXT Drive is a quick and reliable 3D wheel aligner with two camera reading system. The software, developed on **Windows** operating system, is easy to use for a quick and complete alignment with graphical indications and measurements with an approximation of 0.01°.

Developed with HPA-FAIP design & know-how, with components of international quality, **CE compliant** and assembled in the People's Republic of China for the world market.

3D MEASURING SYSTEM FEATURING HIGHER PERFORMANCE

Latest generation high-resolution new **HI-Q 5Mp** cameras for artificial vision.

Optimized monolithic low distortion lens with anti-reflection nano coating and integrated LPF filter to eliminate sunlight reflections.



MEASUREMENT BY IMAGE DIFFERENCE

Each acquisition is differentially processed by two consecutive images to eliminate measurement problems in critical sunlight conditions or in the presence of light reflections.



Operating console with compact PC housing and comfortable for better operation.

LIGHT-DUTY AND HIGH-RESOLUTION TARGET, SPIRIT LEVEL TARGETS

It can be detached from the bracket and is compatible with all the brackets of the catalogue.

Front infra-red filter for a high immunity to sunlight reflections.

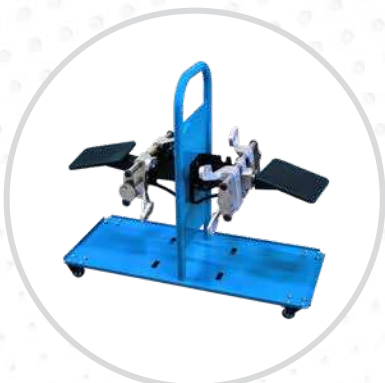
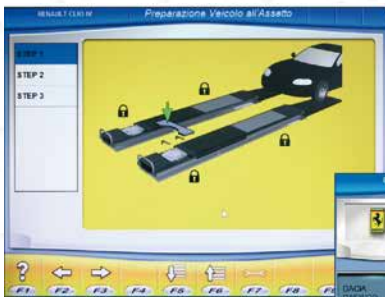


Pair of **mechanical turntables** and **adapters** for the ROC pushtype procedure, upon request.

PROFESSIONAL WHEEL ALIGNMENT PROGRAMME THAT INCLUDES ALL FUNCTIONS REQUIRED BY WHEEL ALIGNING



- ✓ Multilingual **Windows 10 IoT operating system**
- ✓ Immediate readings: easy-to-use HPA-FAIP graphics with icon system for quick real-time access to all adjustment values; quick selection keys and wizards; complete information on the adjustment data of every single axle summarised in a summary page.
- ✓ Online HELP, step-by-step “tutor” with image support.
- ✓ Wide international **Database of car manufacturers**, based on a practical geographical division by continents with the specifications of **more than 84,000 multi-brand vehicles included**. Constantly updated, an internet service is available to download real-time data of new vehicles.
- ✓ **User database** to enter new vehicle **data & Job record database** to save and recall all available customer/vehicle data.
- ✓ Complete frame measurement data in real time.
- ✓ Out of round compensation available in “Skip” and “Push” modes, displayed with live images and LED indicators.
- ✓ Software & DB protected by the hardlock system.



Trolley to support a pair of targets clamps (upon request)

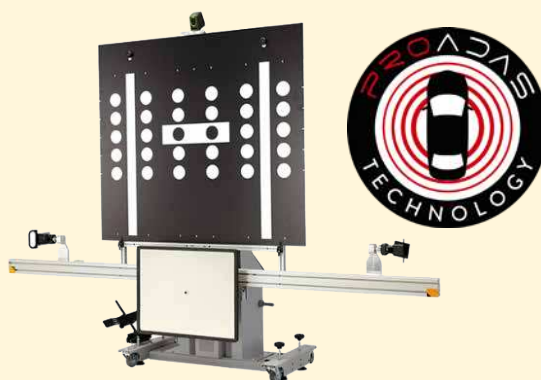


WHEEL ALIGNER COMPATIBLE WITH PROADAS

The wheel aligner is compatible with the new PROADAS universal system used for the **calibration of driver assistance systems** on new-generation vehicles.

Using the wheel aligner cameras, the system for calibrating the camera and radar on board **the vehicle can be aligned precisely and quickly.**

Manufacturers recommend calibrating ADAS systems after aligning the vehicle. For further information, visit the PROADAS product sections on our website.



STANDARD ACCESSORIES



● **STEERING LOCK,
BRAKE PEDAL LOCK AND SUPPORT**



● *** PERSONAL COMPUTER**
for Full Pack versions only



● **MEASURING TARGET**

RECOMMENDED ACCESSORIES



● SELF-CENTRING 10-21" BRACKETS



● TROLLEY FOR BRACKETS AND TARGETS



● TURNTABLES



● 26" EXTENDER KIT FOR BRACKETS



● **LOW COLUMN KIT (1000MM)**
for pit installation or for a pre-check during vehicle reception step



● **HIGH COLUMN KIT (2600MM)**
for installation with lift with measuring function and fixed height adjustment



● WALL BRACKET KIT



● PRINTER CABINET EQUIPPED WITH WHEELS AND A DOOR



● NEXREMOTE TABLET:
REMOTE CONTROL - EXTRA MONITOR



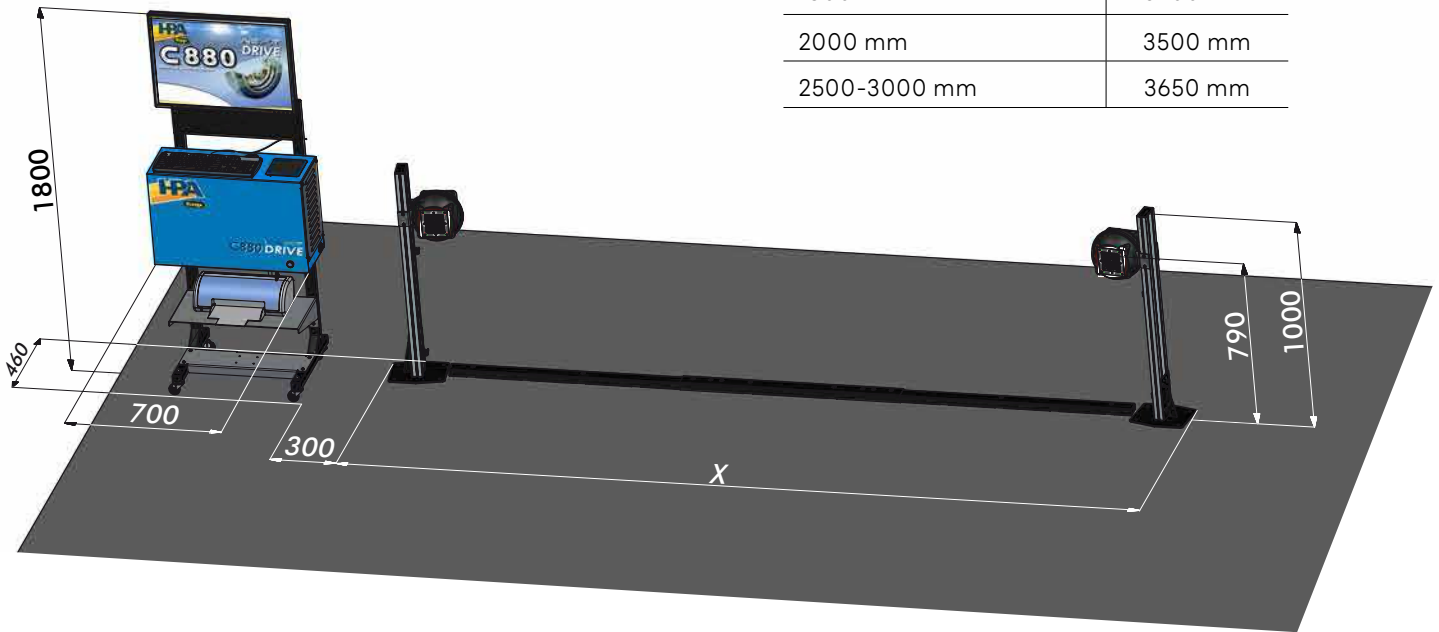
● RADIO REMOTE CONTROL



● GRAPHIC ANIMATION KIT



● CARRYING CASE WITH KIT FOR CALIBRATION AND CALIBRATION CHECK

**INSTALLATION AREA**

Distance between camera and turntable	Distance X
1800 mm	3400 mm
2000 mm	3500 mm
2500-3000 mm	3650 mm

TECHNICAL DATA

Measuring intervals	
Total toe	± 20°
Semi-toe	± 10°
Camber	± 10°
Caster	± 30°
Kingpin	± 30°
Set back	± 22°
Thrust angle	± 10°
Steering angle difference	± 20°

Power Supply	
Power supply voltage	115-230 Vac - 50-60 Hz 1 pH
Power consumption	500 W



C 880 iNEXT



New C 880 iNEXT 3D wheel aligner
with 2-camera reading system

Technology
at your service: simple,
quick, accurate.



**Lift level automatic tracking
function (optional)**

High quality components and
modern design

User friendly software for
precise and quick alignment
measurements

0.01° data display

Intuitive 2-key
operation with **easily
accessible** tutor help

Easy access to all
adjustment values

10" to 26" sensor holder
(with adaptor)

HPA

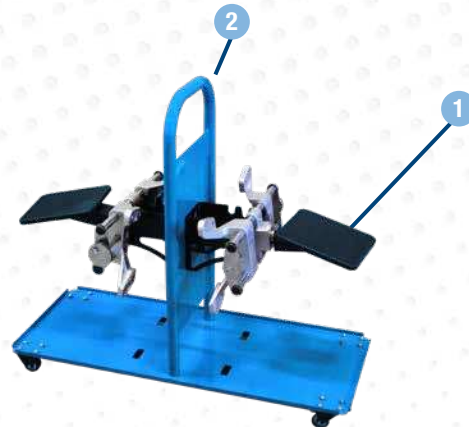
faip





USER FRIENDLY

HPA-Faip Icon user friendly graphics.
Simple and efficient easy to learn, fast to select.
Ergonomic worktop.



1_LIGHT-DUTY AND HIGH-RESOLUTION TARGET

It can be detached from the bracket and is compatible with all HPA-Faip brackets.
Front infra-red filter for a high immunity to sunlight reflections.

2_PRACTICAL TROLLEY

for clamp and sensor holder (optional).



3_SUPERIOR QUALITY CAMERA

Latest generation high-resolution HI-Q camera for artificial vision.
Operating Light Indications thanks to the integrated synoptic panel.
Measurement in difference. Each acquisition is differentially processed by 2 consecutive images to eliminate measurement problems in critical sunlight conditions or in the presence of light reflections.



4_10" TO 26" CLAMPS
with adaptor (optional).

CLAMPONTYRE



Compatibility with ClampOnTyre quick clamps: **no contact with the rim, innovative design** for fast and **reliable clamping.** (*)

(*): to use the ClampOnTyre clamps, the SMART-ROC optimised runout kit must be installed.

5_MAIN UNIT

complete with PC holder and platform for keyboard and printer.



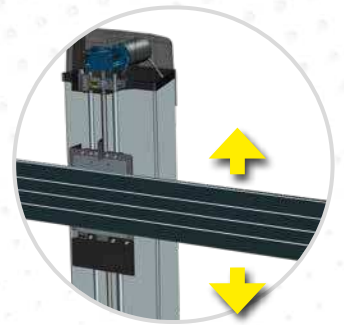
6_DRIVE ON ASSISTANT: YOUR ASSISTANT TO DRIVE ON THE LIFT

by remote camera for easy vehicle positioning (optional).

NEW INTEGRATED LIFT WITH WORMGEAR AND SAFETY SYSTEM (PATENT PENDING)

Camera movement kit allows the operator to work from pit level to over 2.00 meters by pressing a key on the keyboard. Fast and easy.

Lift level automatic tracking function (optional) with **integrated safety mechanism** (patent pending).



SOFTWARE

- Multilanguage **Windows 10 IoT operating system**
- **User friendly** procedure
- A first class international database with over **84,000 vehicles**
- Live **graphic indications**
- **User databank** for insert or modification vehicle data
- **Chassis** measurement data
- **Factory-calibrated**, calibration checked only upon installation, **no periodic calibrations required**
- Databank on **HD**
- Job operation **customer data bank**, to recall and **memorize all customer data**

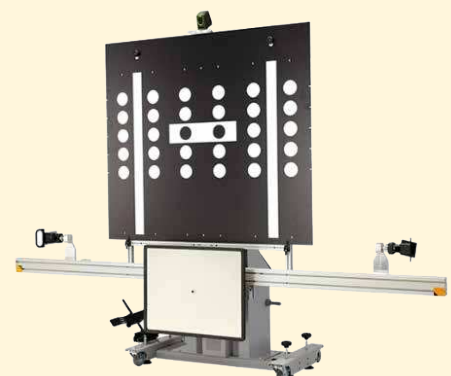
WHEEL ALIGNER COMPATIBLE WITH PROADAS



The wheel aligner is compatible with the new PROADAS universal system used for the **calibration of driver assistance systems** on new-generation vehicles.

Using the wheel aligner cameras, the system for calibrating the camera and radar on board the vehicle **can be aligned precisely and quickly**.

Manufacturers recommend calibrating ADAS systems after aligning the vehicle. For further information, visit the PROADAS product sections on our website.



RECOMMENDED ACCESSORIES



8-34900011
Carrying case with kit for calibration and calibration check



x4

8-34100020
Self-centring 10-21" brackets



x4

8-34100021
26" extender kit for brackets



x2

x2

8-34900019
Turntables with pad



8-34900072
Aligner Trolley. To use the wheel aligner in different lifts or in drive thru mode.



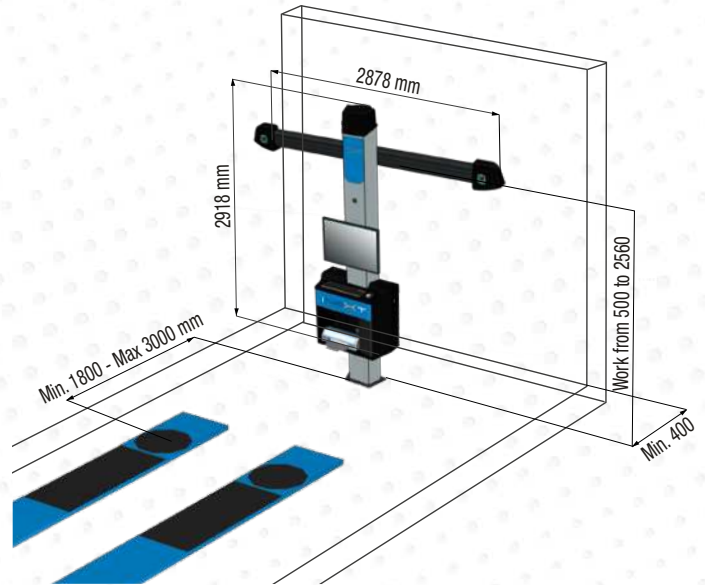
8-34900079
A4 Inkjet Printer

The manufacturer reserves the right to modify the features of its products at any time.

TECHNICAL DATA

Total toe	$\pm 20^\circ$
Half toe	$\pm 10^\circ$
Camber	$\pm 10^\circ$
Caster	$\pm 30^\circ$
King pin	$\pm 30^\circ$
Set back	$\pm 22^\circ$
Thrust angle	$\pm 10^\circ$
Steering difference	$\pm 20^\circ$

DIMENSIONS



STANDARD ACCESSORIES

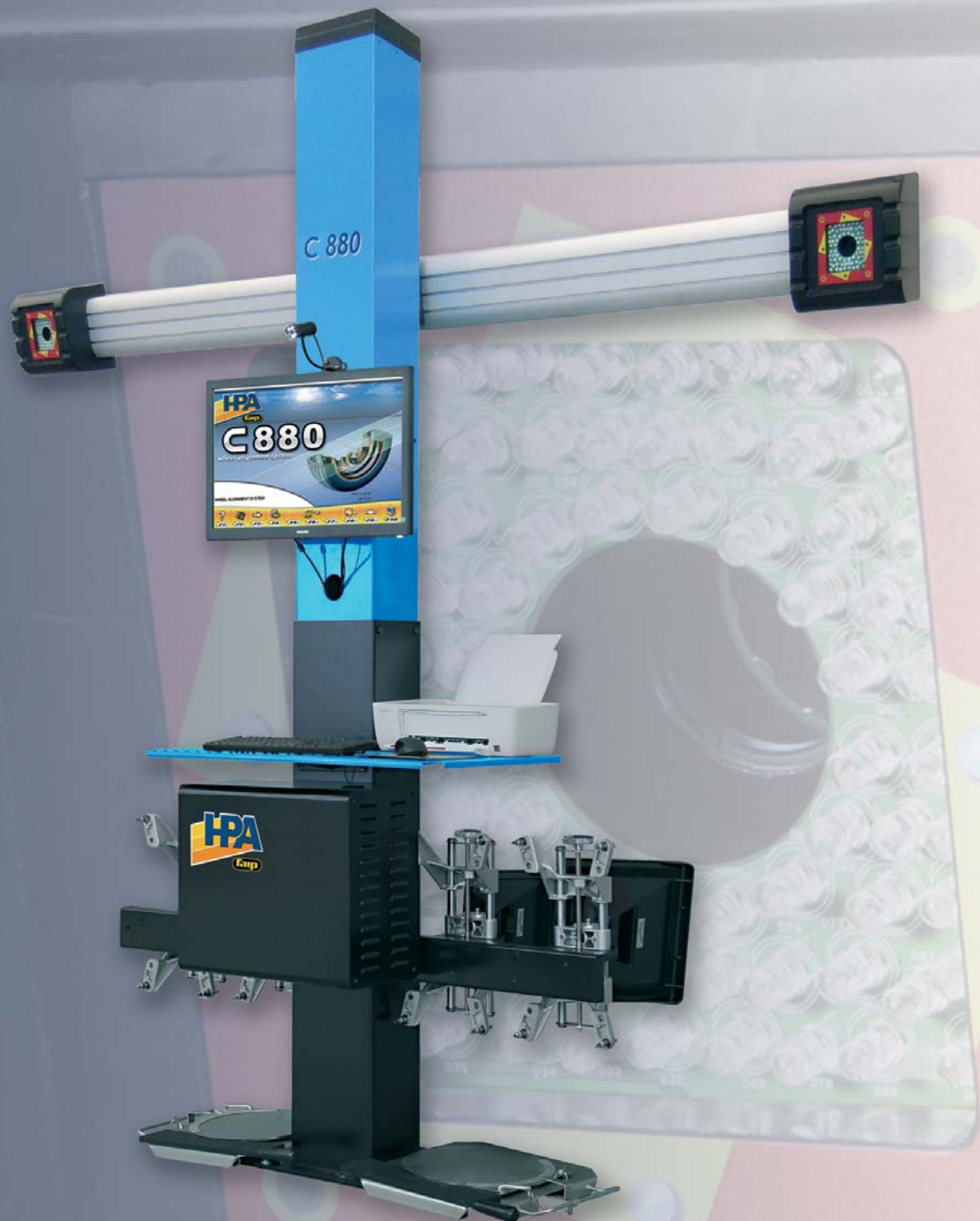


* For Full Pack versions only

POWER SUPPLY

Power supply voltage	115/230Vac - 50/60Hz - 1 Ph
Power absorption	500 W
PC holder	11 kg
Camera beam	26 kg
Column	66 kg
Camera resolution	2592 x 1944 10,000,000 Pixel

The manufacturer reserves the right to modify the features of its products at any time.



HPA
faip



IT



EN



DE

Assetto ruote 3D con sistema di allineamento a due telecamere

3D wheel alignment system with two cameras

3D Achsmesscomputer mit zwei Kameras

C 880



C 880 W ①



②



③

IT Caratteristiche generali

C 880 è un allineatore 3D veloce e affidabile con sistema di lettura a due telecamere. Il software, sviluppato su sistema operativo **Windows**, è facile da usare per un allineamento rapido e completo con indicazioni grafiche e misurazioni con una approssimazione di **0,01°**.

Sviluppato con **design & know-how** HPA-FAIP, con componenti di qualità internazionale, a **norme CE** e assemblato in Repubblica Popolare Cinese per il mercato mondiale.

1. Disponibile anche nel modello per installazione a muro: **C 880 W** nelle versioni FP (Full Pack) e NO PC. La fornitura comprende una speciale staffa per la barra e un'unità centrale a muro.
Nel C 880 W le canaline per le coperture dei cavi NON sono fornite.
2. Set di quattro **bersagli passivi (targets)** piccoli e leggeri senza elettronica, per una maggiore durata, assemblati insieme con graffe a 4 punti da **11"- 21"** (estendibili fino a 26" con il set di adattatori forniti di serie).
3. Console operativa con **alloggiamento PC** compatto e con comodo piano di lavoro in metallo per tastiera, mouse e stampante.

EN Main features

C 880 is a fast and reliable 3D wheel aligner with two cameras reading system. PC-based, developed on Windows OS, the user friendly software features quick and complete alignment measures. with live graphic indications and 0.01° data display.

Developed with HPA-FAIP **design & know-how**, international quality components, EC standards, assembled in PRC.

1. Also available for wall mounting solutions: **C 880 W** in the FP (Full Pack) and NO PC versions.
 The unit consists of a special bracket for the beam, and a wall mounting main unit.
In the C 880 W the cable channels covers are NOT supplied.
2. Light and small set of four **passive targets** without electronics, for improved durability, assembled together with **11"-21"** 4-point clamps (up to 26" with standard set of adaptors).
3. Operative console with compact **PC housing**; comfortable metal worktop for keyboard, mouse and printer.

DE Hauptmerkmale

C 880 ist der neue 3D Achsmesscomputer mit zwei Kameras: einfach, genau und mit dem wohl bekannten von **HPA-FAIP** bedienungsfreundlichen Software. Rechner mit OS **Windows Professional**. **0.01°-Genauigkeit** Datenaufzeige.

Born to be global: mit Italienischen Design entwickelt, mit hochqualitativen Bauteilen ausgestattet.

1. Auch verfügbar in Wandmontage Lösungen: **C 880 W** in den Versionen FP (Full Pack) und NO PC.
 Die Einheit besteht aus einem speziellen Bügel für die Stange und einer Wandzentraleinheit.
Beim C 880 W werden die Kabelkanäle NICHT mitgeliefert.
2. Leicht und klein satz von vier passiven Reflektoren ohne Elektronik, für verbesserte Haltbarkeit, montiert zusammen mit **11"- bis 21"**-Spannhaltern (Steigerung bis 26" mit Adapter-Satz im Lieferumfang).
3. Operativen Konsole mit kompakten **PC-Gehäuse**; komfortable Metall Arbeitsplatte für Tastatur, Maus und Drucker.



 **Caratteristiche generali**

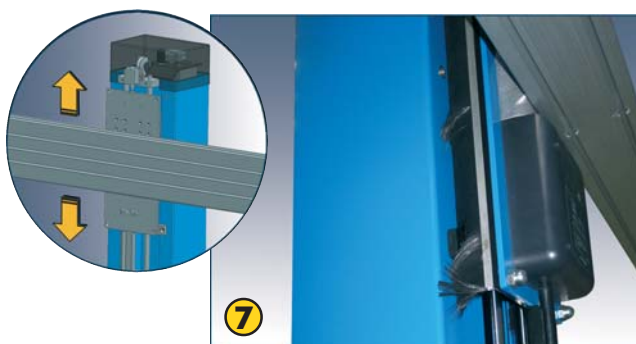
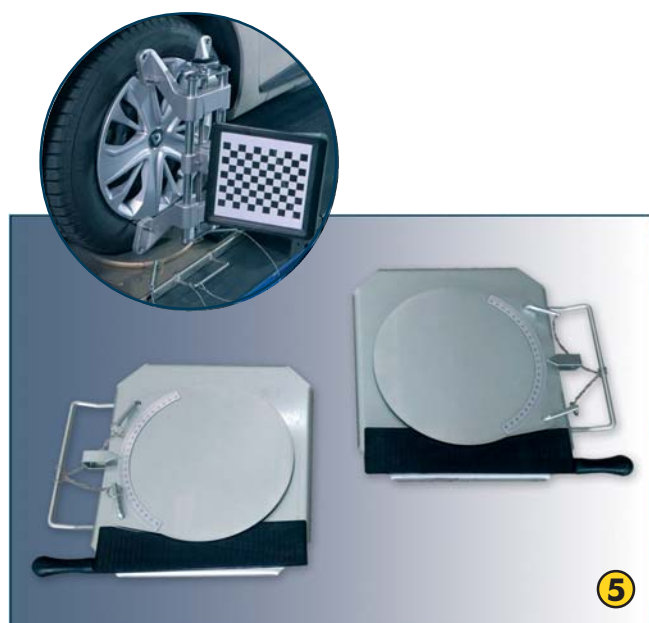
4. **Telecamere di nuova generazione** con lenti HiQ ad alta risoluzione, pre-calibrate in fabbrica. Unità di misura con indicatori a led per guidare l'operatore durante il processo di misurazione.
Pre-calibrate in fabbrica per operazioni di installazione e manutenzione più veloci e agevoli.
5. Coppia di **piatti rotanti** meccanici e **adattatori** per la procedura di ROC a spinta forniti di serie.
6. **Telecamera di assistenza** alla guida per il facile e corretto posizionamento del veicolo sul ponte sollevatore o in officina senza l'aiuto di un assistente o di specchi (A richiesta).
7. Dispositivo motorizzato per unità di misura (**CM - Camera Movement**) per il comodo posizionamento delle telecamere "nel range operativo" (A richiesta).
Questo dispositivo è disponibile solo per i paesi selezionati.

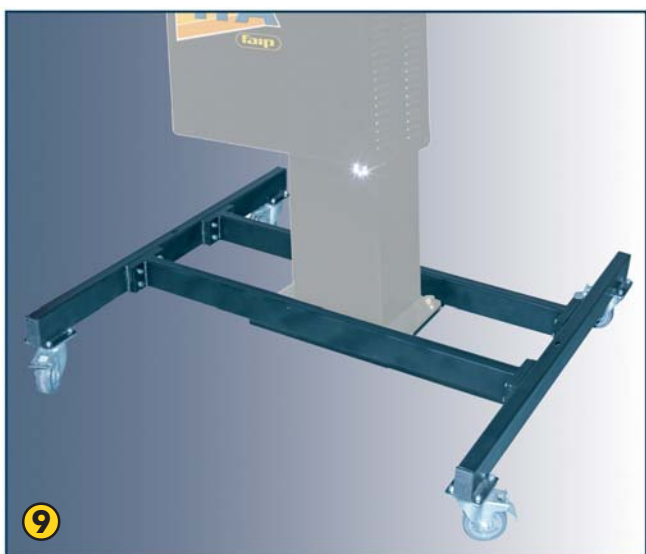
 **Main features**

4. **New generation** camera with high resolution HiQ lenses, factory pre-calibrated.
 Complete with led indicators to guide the operator during the measuring process: more comfort and working time reduction!
Factory pre-calibrated camera beam for faster and easier installation and maintenance.
5. Pair of mechanical **turntables** and **adaptors** for push-mode ROC procedure supplied as standard.
6. Drive-On assistant with **one camera** system for easy vehicle positioning in the working bay without the help of an assistant or mirrors (optional).
7. Motorized beam device (**CM - Camera Movement**) for smooth camera positioning "in range" (optional).
This device is available in selected countries only.

 **Hauptmerkmale**

4. **Neue Generation-Kamera** mit hoher Auflösung HiQ-Objektive, Werkseitige kalibriert. Komplet mit led-Indikatoren, der Betreiber während des Messprozesses zu führen: mehr Komfort und arbeiten reduziert!
Werkseitige Kalibrierung der Kameras; damit wird die Inbetriebnahme wesentlich schneller.
5. Satz von **zweit mechanischer vorderen Dreheplatten** und Adaptern im Lieferumfang.
6. **Auffahrhilfe** mit Bildschirmanzeige für die sicheres Fahrzeugpositionierung in der Werkstatt ohne zusätzlichen Bediener oder Spiegel. Eine Kamera-System (auf Verlangen).
7. **Motorbetriebene Höheneinstellung der Kameras** (CM - Camera Movement) Kamerapositionierung "im Bereich" (auf Verlangen).
Dieses Gerät ist in ausgewählten Ländern nur vorhanden.





IT **Caratteristiche funzionali**

- 8. Programma d'assetto professionale**, completo di ogni funzione necessaria al professionista dell'assetto:
- Letture immediate:** grafica HPA-FAIP facile da usare con sistema ad icone per un rapido accesso in tempo reale a tutti i valori di regolazione; tasti selezione rapidi e procedure guidate; informazioni complete sui dati di regolazione di ogni asse riassunti in una pagina di riepilogo.
 - AIUTO on-line, **"tutor"** passo-passo con il supporto di immagini.
 - Vasta **Banca Dati** internazionale di costruttori auto, basata su una pratica **divisione geografica per continenti** con specifiche relative a più 40.000 veicoli multimarca.
 - Banca dati utente** per inserire i dati di nuovi veicoli & **Banca dati schede lavoro**, per salvare e richiamare tutti i dati cliente/veicolo presenti.
 - Dati completi di **misurazione telaio** in tempo reale.
 - Compensazione fuori centro** disponibile in modalità **"Salto"** e **"A spinta"**, visualizzate con immagini "live" e indicatori a led.
 - Software & BD protetti dal sistema **hardlock**.
- 9. Carrello** che consente l'utilizzo dell'allineatore su differenti postazioni di allineamento all'interno della officina.
- 10. Carrello** di supporto per una coppia di targets/graffe (Archiesta).

EN **Functional features**

- 8. Professional wheel alignment programme** including all functions required by wheel alignment professionals:
- Instant readings:** HPA-FAIP graphics and user-friendly icon-based system for a fast access to all adjustment values in live mode; hot-keys bar, full information axle adjustment in one summary page.
 - HELP on-line, step-by-step tutorial by images.
 - Extensive international car-maker **Data Bank**, based on a practical **Regional division:** more than 40.000 multi-brand vehicle specs.
 - User Data Bank** to input new vehicle data & **Job record Data Bank**, to save and recall all customer/vehicle data.
 - Complete **live chassis** measurement data.
 - Skip** and **Push-mode ROC** available, with screen live images and led indicators.
 - Software & DB protected by **hardlock** system.
- 9. Trolley** to using the wheel aligner on different alignment stations in the workshop.
- 10. Smart trolley** for clamp & target holders (optional).

DE **Funktionsmerkmale**

- 8. Intuitive und Benutzer freundlich Software** mit zwei wichtigen Auswahl und geführte Verfahren.
- Intuitive** Bedienung durch Ikonen mit einfachem Zugriff auf die Hilfefunktion (Tutor). **Echtzeiteinstellung**, alle Winkelwerte werden in Echtzeit angezeigt.
 - Auswählbarer **Online-Tutor**, der den Bediener Schritt für Schritt mit einer Grafikanzeige mit Anweisungen begleitet.
 - Multi brand **internationale Datenbank** mit Unterteilung in Weltregionen für einfache Auswahl und mit ueber 40.000 Fahrzeugen. Wählen Sie Ihre Region in den Einstellungen, Sie haben aber den Rest der weltweiten Daten immer griffbereit.
 - Benutzer-Datenbank** zur Eingabe oder Aenderung von Fahrzeugdaten.
 - Kundendatenbank** zur Speicherung und Aufruf der Kundendaten.
 - Echtzeit-Fahrgestellmessungen** mit Grafikanzeige.
 - Skip** und **Push-mode** für ROC als Standard vorhanden mit LED-Anzeigen im Bildschirm.
 - Software und Soll-Daten vom **Hardlock** geschützt.
- 9. Wagen**, mit dem die ermöglicht die Verwendung der Ausrichter an unterschiedlichen Ausrichtstationen in der Werkstatt.
- 10. Praktischer Wagen** für Spannhaltern mit passiven Reflektoren (auf Verlangen).

Layout di installazione

Installation layout

Aufstellungsmöglichkeiten



Small bay. Dimensioni contenute e la tecnologia delle telecamere si adattano ad installazioni in piccoli ambienti e ad installazioni con ponti a 4 colonne (vedere informazioni sul layout).

Installazione con colonna:

- Compatibile con fossa, ponti a forbice, 4 colonne e parallelogrammo.
- Per i ponti a 4 colonne, la distanza minima interno colonne richiesta per operare sulle vetture di serie è di 2.950 mm.
- Per i ponti a parallelogramma la distanza centro piatti / telecamera indicate devono essere prese ad altezza di 1 m.

Installazione con staffa:

- Compatibile con fossa, ponti a forbice, 4 colonne e parallelogrammo.
- Per i ponti a 4 colonne e parallelogramma rimangono valide le indicazioni sopra riportate.
- Le altezze di fissaggio della staffa a muro dipendono dal campo di lavoro del ponte e dall'altezza del soffitto.

N.B.: La parete deve essere idonea a sostenere l'unità di misura.



Small bay. Due to the compact size and the camera technology, it is suitable for installations in small areas and installations with 4 post lifts (see information on the layout).

Installation with column:

- Compatible with pit, scissor, 4 post and parallelogram lift installations.
- For 4 post lifts, the minimum internal column distance required for working on standard vehicles is 2,950 mm.
- For parallelogram lifts, the centre plate / camera distance indicated must be at a height of 1 m.

Installation with bracket:

- Compatible with pit, scissor, 4 post and parallelogram lift installations.
- For 4 post and parallelogram lifts, above provided indications apply.
- The heights at which the bracket should be fastened to the wall depend on the operating range of the lift and the ceiling height.

N.B.: The wall must be suitable for supporting the installation.



Small bay. Dank der kompakten Größe und der Kameratechnologie, ist C 880 für Installationen in kleinen Arbeitsbereichen und mit 4 - Säulen-Hebebühnen verwendbar (sehen Sie weitere Infos im Plan).

Auf der Säule montiert:

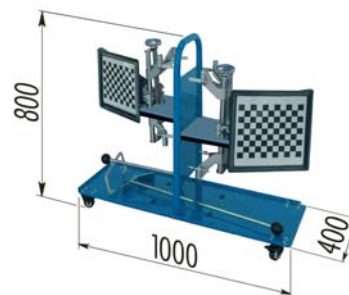
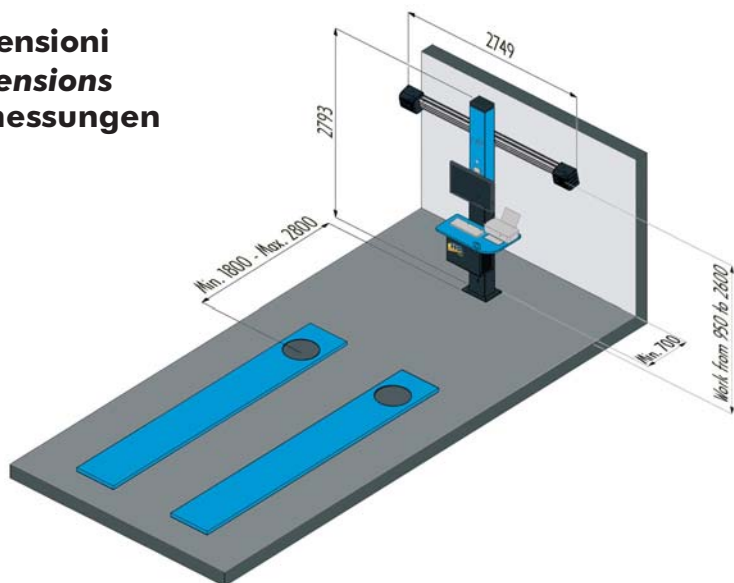
- Die Installation kann mit einer Grube, bei Scheren- und 4 Säulen - Hebebühnen gemacht werden.
- Bei 4 - Säulen Hebebühnen ist die minimale Lichte (interner Säulenabstand), für Serienfahrzeuge 2.950 mm. erforderlich.
- Bei Scheren-Hebebühnen sollte der Abstand von Kamera -Mitte bis zur den vorderen Drehplatten 1 Meter sein.

Wand Montage:

- Die Installation kann mit einer Grube, bei Scheren- und 4 Säulen - Hebebühnen gemacht werden.
- Für Scheren- und 4 Säulen Hebebühnen gelten die gleiche Bedingungen wie oben.
- Die Höhe der Wandbefestigung hängt vom Arbeitsbereich der Hebebühnen so wie auch von der Dachhöhe.

ANM: Die Wand muss dazu geeignet sein, die Achsmesseinheit halten zu können.

Dimensioni Dimensions Abmessungen



Per installazioni con layout differente da quello consigliato e per la compatibilità con il modello di ponte sollevatore, contattare il centro autorizzato di riferimento.
 For installations with different layout and for the lift model compatibility, please contact the authorized center of reference.

Im Falle der Installation mit einer anderen Anordnung und zwecks Prüfung der Kompatibilität des Hebebühnenmodells wird empfohlen, das zuständige Kundendienstzentrum zu kontaktieren.



Dati tecnici	Technical data	Technische Daten
<input type="checkbox"/> Campi di misura:	Measuring ranges:	Messbereiche:
- Convergenza totale	- Total toe	- Gesamtpur
- Campanatura	- Camber	- Sturz
- Incidenza	- Caster	- Nachlauf
- Inclinazione perno fuso	- King Pin angle	- Spreizung
- Angolo di spinta	- Thrust angle	- Fahrachswinke
- Differenza di sterzata a 20°	- Steering difference at 20°	- Spurdifferenz bei 20° Lenkeinschlag
<input type="checkbox"/> Tensione di alimentazione:	Power supply:	Versorgungsspannung:
<input type="checkbox"/> Dimensioni imballo:	Packaging dimensions:	Abmessungen Verpackung:
- Unità di misura	- Beam	- Maßeinheit
- Colonna	- Column	- Spalte
- Altri componenti	- Other components	- Andere Komponenten
		115/230 Vac - 50/60 Hz - 1 Ph
		2980 x 250 x 420 mm - 40 kg
		1735 x 590 x 305 mm - 92 kg
		1065 x 1065 x 780 mm - 120 kg

Configurazione std	Std configuration	Std-Konfiguration
<input type="checkbox"/> Unità di misura con telecamere, installata e calibrata.	Camera beam, installed and calibrated.	Kamera-Beam, installiert und kalibriert.
<input type="checkbox"/> Colonna principale completa di console per alloggiamento PC e piano di lavoro per tastiera, mouse e stampante.	Main column complete with PC box holder and worktop for keyboard, mouse and printer.	Hauptspalte komplett mit PC-Gehäuse und Arbeitsplatte für Tastatur, Maus und Drucker.
<input type="checkbox"/> Serie di 4 graffe a 4 punti da 11" a 21" (complete di adattatori per estensione a 26").	Complete set (4 pcs.) of 11" to 21" clamps (including 26" increasing adaptor set).	Satz von vier 11"- bis 21"-Spannhaltern (mit 26" Adapter-Satz im Lieferumfang).
<input type="checkbox"/> Serie completa di 4 bersagli passivi HiRs (targets).	Complete set (4 pcs.) of HiRs passive targets.	Satz von vier HiRs passiven Reflektoren.
<input type="checkbox"/> Coppia di piatti rotanti completi di adattatori per ROC a spinta.	Pair of mechanical turntables with ROC adaptors.	Satz von zwei Drehtellern mit ROC Drehtelleradapter.
<input type="checkbox"/> Dispositivo bloccasterzo e Dispositivo premipedale freno.	Brake pedal depressor and Steering wheel holder.	Lenkradfeststeller und Bremspedal.
<input type="checkbox"/> Serie di supporti per una serie di graffe con targets.	Set of holders for 4-point clamps with targets.	Halterung Satz für 4-Punkt-Spannhaltern mit Reflektoren.
<input type="checkbox"/> Manuale istruzioni d'uso e Manuale parti di ricambio.	Operator's instruction manual and Spare parts booklet.	Betriebsanleitung und Ersatzteilheft.

Accessori a richiesta	Optional accessories	Sonderzubehör
<input type="checkbox"/> 8-34900020 CM dispositivo motorizzato per unità di misura.	CM motorized beam.	CM Motorbetriebene Höheneinstellung der Kameras.
<input type="checkbox"/> 8-34900018 Carrello di supporto per una coppia di targets/graffe.	Trolley for clamp and target holder.	Wagen für Spannhaltern mit passive Reflektoren.
<input type="checkbox"/> 8-34900021 Kit Drive-On assistant con telecamera remote.	Lift Drive-On assistant with remote camera.	Auffahrhilfe für die sicheres Fahrzeugpositionierung.
<input type="checkbox"/> 8-34900011 Set di calibrazione completo 2.0	Complete Calibrator set 2.0	Kalibrierungsset 2.0
<input type="checkbox"/> 8-34900026 Set di calibrazione completo 2.0 (Tipo "B").	Complete Calibrator set 2.0 ("B" Type).	Kalibrierungsset 2.0 (Typ B).
<input type="checkbox"/> 8-34120000 Monitor LED 27".	27" LED Monitor.	27" LED Bildschirm.
<input type="checkbox"/> 8-34900046 Carrello mobile.	Aligner trolley.	Mobile wagen

Le immagini, le configurazioni e le caratteristiche tecniche riportate nel presente stampato hanno il solo scopo di presentare il prodotto e sono soggette a variazioni.
 The illustrations, configurations and technical features in this publication are intended to present the product only, and are subject to variation.
 Die Abbildungen, Konfigurationen und technischen Merkmale in diesem Prospekt dienen nur der Produktpräsentation und unterliegen Veränderungen.

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

www.hpafaip.nt-rt.ru | | hip@nt-rt.ru